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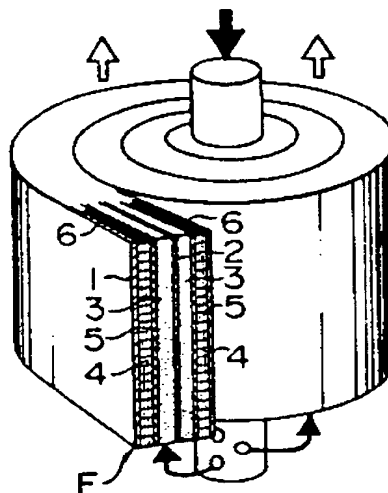
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APPLICANT : NIPPON DENSO CO LTD;

INVENTOR : SHIBAKAWA TAKAHIRO;

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TITLE : ELECTROSTATIC PURIFYING OIL
FILTER BODY



ABSTRACT : **PURPOSE:** To trap carbon deposit to the inside of a trapping member by providing a sealing member to the trapping member wherein a spacer member arranged to a negative electrode side is opposed to the outlet of a downstream side of contaminated oil.

CONSTITUTION: Lamellate electrodes 1, 2 made of an aluminum foil constitute a couple of electrodes respectively. An electrical insulating porous spacer member 3 is arranged to the negative electrode 2 side and contaminated oil is passed to the downstream side from the upstream side. A trapping member 4 consisting of porous material is arranged to the positive electrode 1 side and traps carbon particles from contaminated oil passed through the spacer member 3. A porous dielectric membrane 5 having microporous properties is formed between the spacer member 3 and the trapping member 4 and carbon particles can be allowed to pass through it. The outlet of the downstream side of contaminated oil is sealed with a sealing member 6 such as silicone rubber. Therefore carbon particles can be trapped to the inside of the trapping member 4 by means of the sealing member.

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